AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) A character display apparatus, comprising:

a display device comprising a plurality of pixels; and

a control section for controlling the display device, wherein each of the plurality of pixels comprises a plurality of sub-pixels arranged in a predetermined direction, and at least one of a plurality of color elements is assigned to each of the plurality of sub-pixel;

the control section determines at least one sub-pixel, to which a basic portion indicating a skeleton of a character is assigned, among the plurality of sub-pixels in the display device, based on character shape data indicating character shapes;

a first pixel of the plurality of pixels comprises a plurality of first sub-pixels;

at least one pixel neighboring the first pixel comprises a plurality of second sub-pixels;

the control section determines an arrangement pattern containing a plurality of elements, wherein a value of each of the plurality of elements is determined depending on whether or not the basic portion is assigned to a corresponding sub-pixel of the plurality of the first sub-pixels and the plurality of the second sub-pixels; and

the control section introduces a predetermined change into the arrangement pattern, the predetermined change including one of replacement of a position of the basic portions and duplication of the basic portion, and determines a luminance level of the first pixel based on the

changed arrangement pattern, wherein

the luminance level of the first pixel based on the changed arrangement pattern is

determined using a stored table indicating a predetermined correspondence between arrangement

patterns of sub-pixels and luminance levels of sub-pixels arranged in a certain direction, which is

one of the same as the predetermined direction and different from the predetermined direction,

and the correspondence indicated by the stored table is determined using a predetermined

correction pattern of color element levels of sub-pixels neighboring a sub-pixel corresponding to

the basic portion.

2. (Original) An apparatus according to claim 1, wherein

the plurality of elements include a first element and a second element neighboring the

first element;

a value of the first element indicates that the basic portion is assigned to a sub-pixel

relating to the first element;

a value of the second element indicates that the basic portion is not assigned to a sub-

pixel relating to the second element; and

the control section determines the luminance level of the first pixel based on another

arrangement pattern which is modified from said arrangement pattern such that a value of the

first element is interchanged with a value of the second element.

3. (Previously Presented) An apparatus according to claim 1, wherein the plurality of

elements include a first element and a second element neighboring the first element;

a value of the first element indicates that the basic portion is assigned to a sub-pixel

relating to the first element;

a value of the second element indicates that the basic portion is not assigned to a sub-pixel relating to the second element; and

the control section determines the luminance level of the first pixel based on another arrangement pattern which is modified from said arrangement pattern such that a value of the second element is changed to indicate that the basic portion is assigned to the sub-pixel relating to the second element.

4. (Original) An apparatus according to claim 1, wherein the control section determines the luminance level of the first pixel based on a combination of a color of the character and a background color of the character and the arrangement pattern.

5. (Original) An apparatus according to claim 1, wherein the control section compares a combination of a color of the character and a background color of the character with a combination of a predetermined character color and a predetermined background color, and determines the luminance level of the first pixel based on a result of the comparison and the arrangement pattern.

6. (Currently Amended) A method for displaying a character on a character display apparatus, wherein the character display apparatus comprises:

a display device comprising a plurality of pixels; and

a control section for controlling the display device, wherein each of the plurality of pixels comprises a plurality of sub-pixels arranged in a predetermined direction, and at least one

of a plurality of color elements is assigned to each of the plurality of sub-pixel;

a first pixel of the plurality of pixels comprises a plurality of first sub-pixels; and

at least one pixel neighboring the first pixel comprises a plurality of second sub-pixels,

the method comprises the steps of:

determining at least one sub-pixel, to which a basic portion indicating a skeleton of a

character is assigned, among the plurality of sub-pixels in the display device, based on character

shape data indicating character shapes;

determining an arrangement pattern containing a plurality of elements, wherein a value

of each of the plurality of elements is determined depending on whether or not the basic portion

is assigned to a corresponding sub-pixel of the plurality of the first sub-pixels and the plurality of

the second sub-pixels; and

introducing a predetermined change into the arrangement pattern, the predetermined

change including one of replacement of a position of the basic portions or and duplication of the

basic portion, and determining a luminance level of the first pixel based on the changed

arrangement pattern, wherein

the luminance level of the first pixel based on the changed arrangement pattern is

determined using a stored table indicating a predetermined correspondence between arrangement

patterns of sub-pixels and luminance levels of sub-pixels arranged in a certain direction, which is

one of the same as the predetermined direction and different from the predetermined direction,

and the correspondence indicated by the stored table is determined using a predetermined

correction pattern of color element levels of sub-pixels neighboring a sub-pixel corresponding to

the basic portion.

Claim 7 (Canceled)

8. (Currently Amended) A recording medium storing a program for causing a character display apparatus to execute a character display process, wherein the recording medium is readable by the character display apparatus, the character display apparatus comprises:

a display device comprising a plurality of pixels; and

a control section for controlling the display device, wherein each of the plurality of pixels comprises a plurality of sub-pixels arranged in a predetermined direction, and at least one of a plurality of color elements is assigned to each of the plurality of sub-pixel;

a first pixel of the plurality of pixels comprises a plurality of first sub-pixels; and

at least one pixel neighboring the first pixel comprises a plurality of second sub-pixels, and the character display process comprises the steps of:

determining at least one sub-pixel, to which a basic portion indicating a skeleton of a character is assigned, among the plurality of sub-pixels in the display device, based on character shape data indicating character shapes;

determining an arrangement pattern containing a plurality of elements, wherein a value of each of the plurality of elements is determined depending on whether or not the basic portion is assigned to a corresponding sub-pixel of the plurality of the first sub-pixels and the plurality of the second sub-pixels; and

introducing a predetermined change into the arrangement pattern, the predetermined change including one of replacement of a position of the basic portion or and duplication of the basic portion, and determining a luminance level of the first pixel based on the changed

arrangement pattern, wherein

the luminance level of the first pixel based on the changed arrangement pattern is determined using a stored table indicating a predetermined correspondence between arrangement patterns of sub-pixels and luminance levels of sub-pixels arranged in a certain direction, which is one of the same as the predetermined direction and different from the predetermined direction, and the correspondence indicated by the stored table is determined using a predetermined correction pattern of color element levels of sub-pixels neighboring a sub-pixel corresponding to the basic portion.